COURSE DETAIL

EXPLORING THE BRAIN: HANDS-ON NEUROIMAGING
Country United Kingdom - England
Host Institution University of Sussex
Program(s) Summer in Sussex
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Health Sciences Biological Sciences
UCEAP Course Number 130
UCEAP Course Suffix S
UCEAP Official Title EXPLORING THE BRAIN: HANDS-ON NEUROIMAGING
UCEAP Transcript Title NEUROIMAGING
UCEAP Quarter Units 6.00
UCEAP Semester Units

4.00

Course Description

This course goes beyond conventional lecture-based instruction and to the heart of the research process. Through hands-on scanning, data analysis, literature exploration, and seminar participation, students learn how MRI and fMRI are used to investigate the human brain – and apply knowledge to design, conduct, and present neuroimaging projects. The course integrates foundational concepts in neuroimaging and clinical neuroscience through hands-on, research-based learning. Through this process, students gain practical experience with MRI hardware and scanning, experimental design, basic image processing, and scientific writing and presentation.

Language(s) of Instruction
English

Host Institution Course Number
IS459

Host Institution Course Title
EXPLORING THE BRAIN: HANDS-ON NEUROIMAGING

Host Institution Course Details
https://www.sussex.ac.uk/study/study-abroad-at-sussex/our-programs/summer-schoo...

Host Institution Campus
University of Sussex

Host Institution Faculty
International Summer School

Host Institution Degree

Host Institution Department
Neuroscience and Neuroimaging

Course Last Reviewed
2026-2027

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